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# Security Management in the Fibers and Chemicals Industry



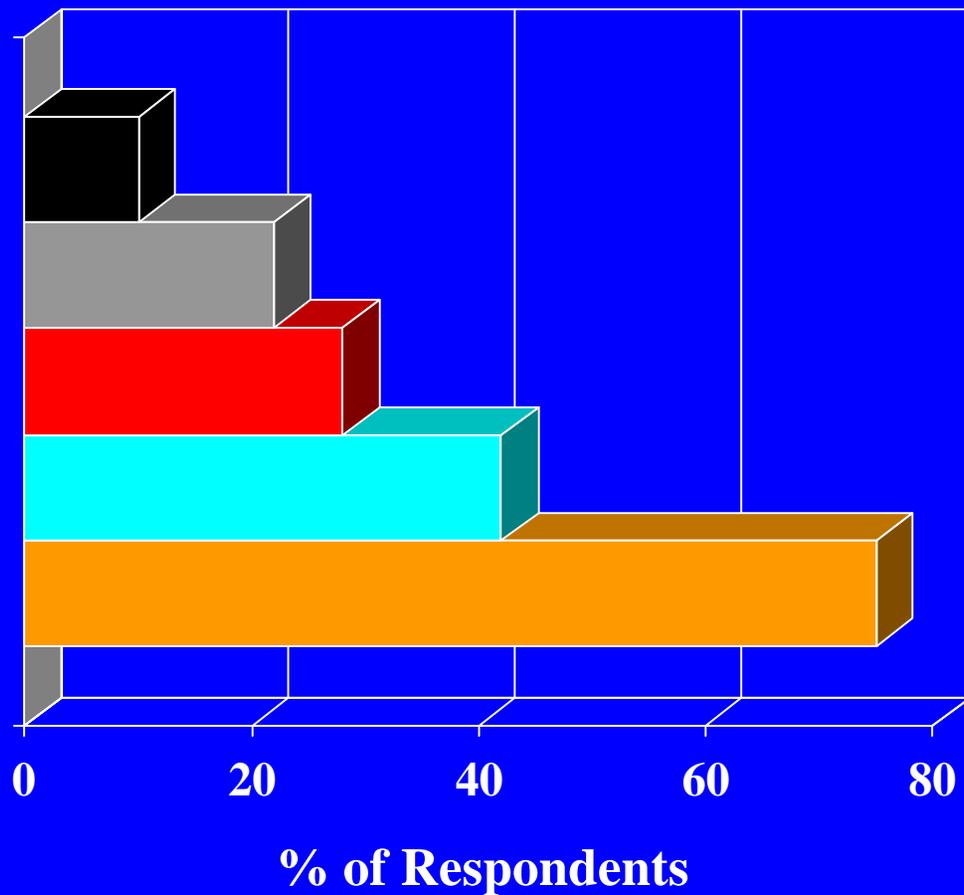
Robert T. George

June 14, 2000

# Value Proposition of Information

- Information, in the “information age”, is the value adding process of our operations.
- The only thing worse than the **wrong people** getting access to our information is *not* enabling the **right people** access.
- For DuPont, *Information Security* is the equivalent of *Safety* in the “industrial age”, it is the rules and regulations that safeguard the value-adding processes and the people who’s skill develops, deploys and manages it.
- Strong ties between *information security* and *safety*. SHE (Safety, Health and the Environment) deals with;
  - Environmental releases
  - Explosions
  - Fires
  - Accidents
  - Failures in security of people and assets

# Security Problems Resulting in Financial Loss



Source: Information Week Survey



# Welcome to DISO University

- Educate security practitioners
- Web accessible
- Levels of courses for accreditation and advancement

# DISO

DuPont Information  
Security Organization



# Manage by Metrics

- **Just as we manage safety performance by metrics we work to manage information security by metrics.**
- **Benchmark with best-in-class companies.**
- **Developing a balanced score card of information security metrics.**

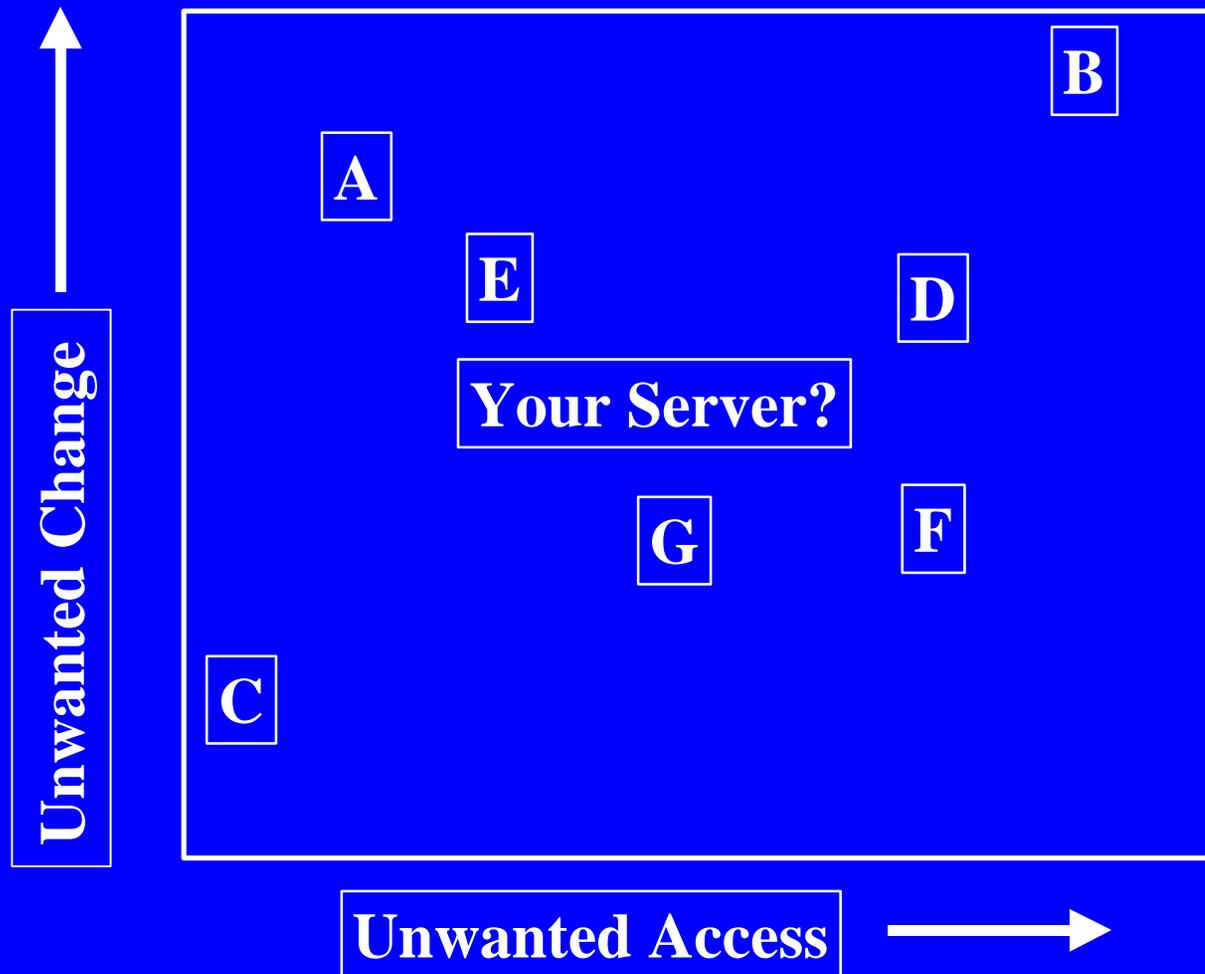
# A Balanced Scorecard

## (Example)

*“A ‘good’ Balanced Scorecard includes Objectives, Measures, Benchmarks and Targets that promote change.”*

PERSPECTIVE	BUS. OBJECTIVES	MEASUREMENTS	TARGETS
FINANCIAL	Shareholder value	% of IT costs	Top quartile
CUSTOMER	Customer Satisfaction	Customer Surveys	Continuous Improvement
INTERNAL	Six Sigma Projects	Reduction of Defects	Reduction of 70%
LEARNING	DISO University	% of Personnel Part.	100%

# DuPont's Asset Exposure



# **Asset Protection Based on Risk**

- **Access Control**
- **Physical Protection**
- **Disaster Recovery**
- **Intrusion Detection**
- **Business Continuity Plan**
- **General-Audit**

# Six Sigma

- **Six Sigma is a management process that focuses on defect elimination. Six Sigma literally means 3.4 defects per million occurrences.**
- **Sigma measures the capability of the process to perform defect-free-work. A defect is anything that results in failure.**
- **Typical six sigma projects for information security;**
  - Password and user name management
  - Electronic security paperwork processing
  - Server registration and ownership identification
  - Asset characterization



# Annual State of Information Security Letter

- **Annual state of information security letter to the CIO, senior management, IT partners and audit committee.**
  - **Recap of security incidents**
  - **Information losses**
  - **Estimated dollar loss by incident and category**
  - **Information security expenditures**
  - **Report card based on an aggregate of the above compared with in-kind knowledge based companies.**